

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

Marvin Windows and Doors Highway 11 West P. O. Box 100 Warroad, MN 56763-0100

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION:

Series "French Stormplus IZ4" 8 ft. Aluminum Clad Wood Outswing Glazed Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. **1487**, "8 Ft. Aluminum Clad Out–Swing Wood Impact Doors", sheets 1 through 11 of 11, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 08/17/06 and latest revision "**B1**", dated 09/11/12, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami–Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 11–1026.03 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



5 6ASON 12/11/12

NOA No. 12-0913.06 Expiration Date: May 03, 2017 Approval Date: December 20, 2012

Page 1

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA No. 06–1228.02)
- 2. Drawing No. 1487, "8 Ft. Aluminum Clad Out-Swing Wood Impact Doors", sheets 1 through 11 of 11, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 08/17/06 and latest revision "B1", dated 09/11/12, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked—up drawings and installation diagram of outswing wood door, prepared by Architectural Testing, Inc., Test Report No. **ATI-67287.01–201–18**, dated 12/01/2006, signed and sealed by Joseph A. Reed, P.E.

(Submitted under previous NOA No. 06-1228.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2007, FBC-2010 and ANSI/ AAMA/ NWWDA 1001/ I.S.2-97, prepared by W. W. Schafer Engineering & Consulting, P.A., dated 10/17/11, signed and sealed by Warren W. Schaefer, P. E. (Submitted under previous NOA No. 11-1026.03)
- 2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11–0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.
- 2. Test reports on: 1) Determining Ignition Temperature of Plastic, per ASTM D-1929;
 - Density of Smoke Testing of Fiberglass Reinforced Plastic, per ASTM D-2843;

along with installation diagram, prepared by SGS U. S. Testing Company, Inc., Test Reports No.'s SGS 147520–1, SGS 147520–2, SGS 147520–3 and SGS 147520–4, dated 10/27/00, signed by Michael S. Elliott.

(Submitted under previous NOA No. 06-1228.02)

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0913.06

Expiration Date: May 03, 2017 Approval Date: December 20, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

- 3. Test reports on: 1) Tensile Properties and Xenon-Arc Weathering Tests of Fiberglass Reinforced Plastic;
 - 2) Flammability Testing of Fiberglass Reinforced Plastic, per ASTM D-635:
 - 3) Flammability Testing of Geon 06935-3490, per ASTM D-635;
 - 4) Ignition Temperature Testing of Geon 06935–3490, per ASTM D–2843 and Density of Smoke Testing of Fiberglass Reinforced Plastic.

along with marked—up drawings and installation diagram, prepared by Stork/ Twin City Testing Corporation, Inc., Test Reports No.'s TCT 18 0–0758, TCT 18 0–0758.1, TCT 18 0–0758.2, TCT 18 0–0758.3 and TCT 18 0–0796, dated 10/12, 11/08, 11/09, 11/16, 11/29/2000 and 04/19/2001, signed and sealed by Derrick J. Swanson, P. E.

(Submitted under previous NOA No. 06-1228.02)

- 4. Test reports on: 1) Determining Ignition Temperature of Plastic, per ASTM D-1929; along with installation diagram prepared by Intertek Testing Services NA, Inc., Test Report No. ITS-3119811SAT-001, dated 03/28/2007, signed by Servando Romo. (Submitted under previous NOA No. 06-1228.02)
- 5. Test reports on: 1) Determining Ignition Temperature of Plastic, per UL 723 substitute to ASTM E-84;

along with installation diagram prepared by Underwriters Laboratories, Inc., Test Report No. **UL–R11183**, dated 01/09/2006, signed by Janet L. Burton.

(Submitted under previous NOA No. 06-1228.02)

F. STATEMENTS

- 1. Statement letter of conformance and compliance with the FBC-2007 including supplements, **FBC-2010** and ANSI/ AAMA/ NWWDA 1001/ I.S.2-97, prepared by W. W. Schafer Engineering & Consulting, P.A., dated 10/17/11, signed and sealed by Warren W. Schafer, P. E. (Submitted under previous NOA No. 11-1026.03)
- 2. Statement letter of no financial interest and independence, dated 10/17/11, signed and sealed by Warren W. Schafer, P. E.

(Submitted under previous NOA No. 11-1026.03)

3. Laboratory compliance letter for Test Report No. ATI-67287.01-201-18, issued by Stork/Twin City Testing Corporation, Inc., dated 12/01/06, signed and sealed by Joseph A. Reed, P. E.

(Submitted under previous NOA No. 06-1228.02)

4. Laboratory compliance letter for Test Reports No's TCT 18 0–0758, TCT 18 0–0758.1, TCT 18 0–0758.2, TCT 18 0–0758.3 and TCT 18 0–0796, issued by Architectural Testing, Inc., dated 10/12, 11/08, 11/09, 11/16, 11/29/00 and 04/19/01, signed and sealed by Derrick J. Swanson, P. E.

(Submitted under previous NOA No. 06-1228.02)

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0913.06

Expiration Date: May 03, 2017 Approval Date: December 20, 2012

Marvin Windows and Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

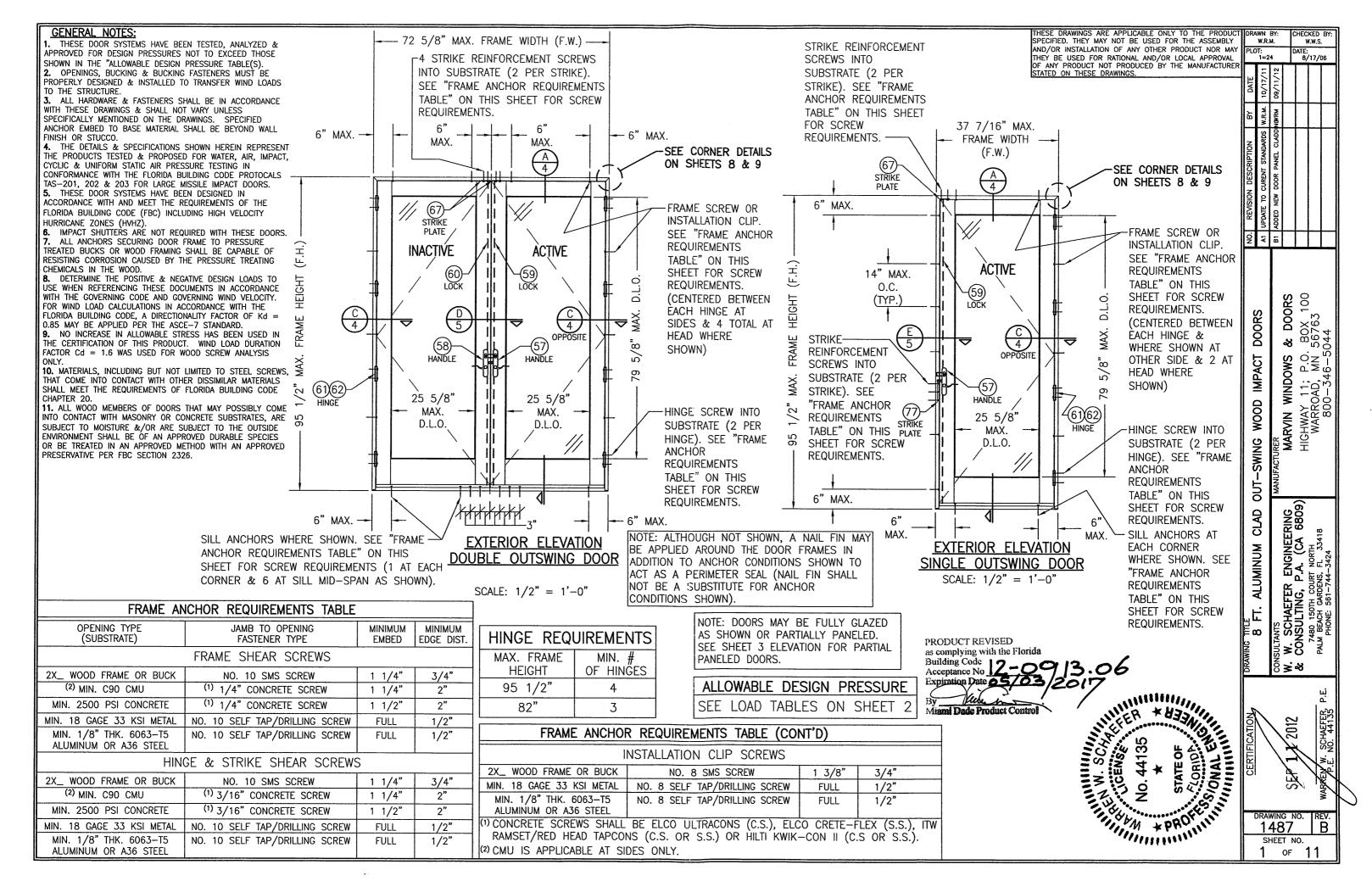
- 5. Laboratory compliance letter for Test Reports No.'s SGS 147520–1, SGS 147520–2, SGS 147520–3 and SGS 147520–4, issued by SGS U. S. Testing Company, Inc., dated 10/27/00, signed by Michael S. Elliott.
 - (Submitted under previous NOA No. 06–1228.02)
- 6. Laboratory compliance letter for Test Report No. UL-R11183, issued by Underwriters Laboratories, Inc., dated 01/09/06, signed by Janet L. Burton, P. E. (Submitted under previous NOA No. 06-1228.02)
- 7. Laboratory compliance letter for Test Report No. ITS-3119811SAT-001, issued by Intertek Testing Services NA, Inc., dated 03/28/07, signed by Servando Romo. (Submitted under previous NOA No. 06-1228.02)

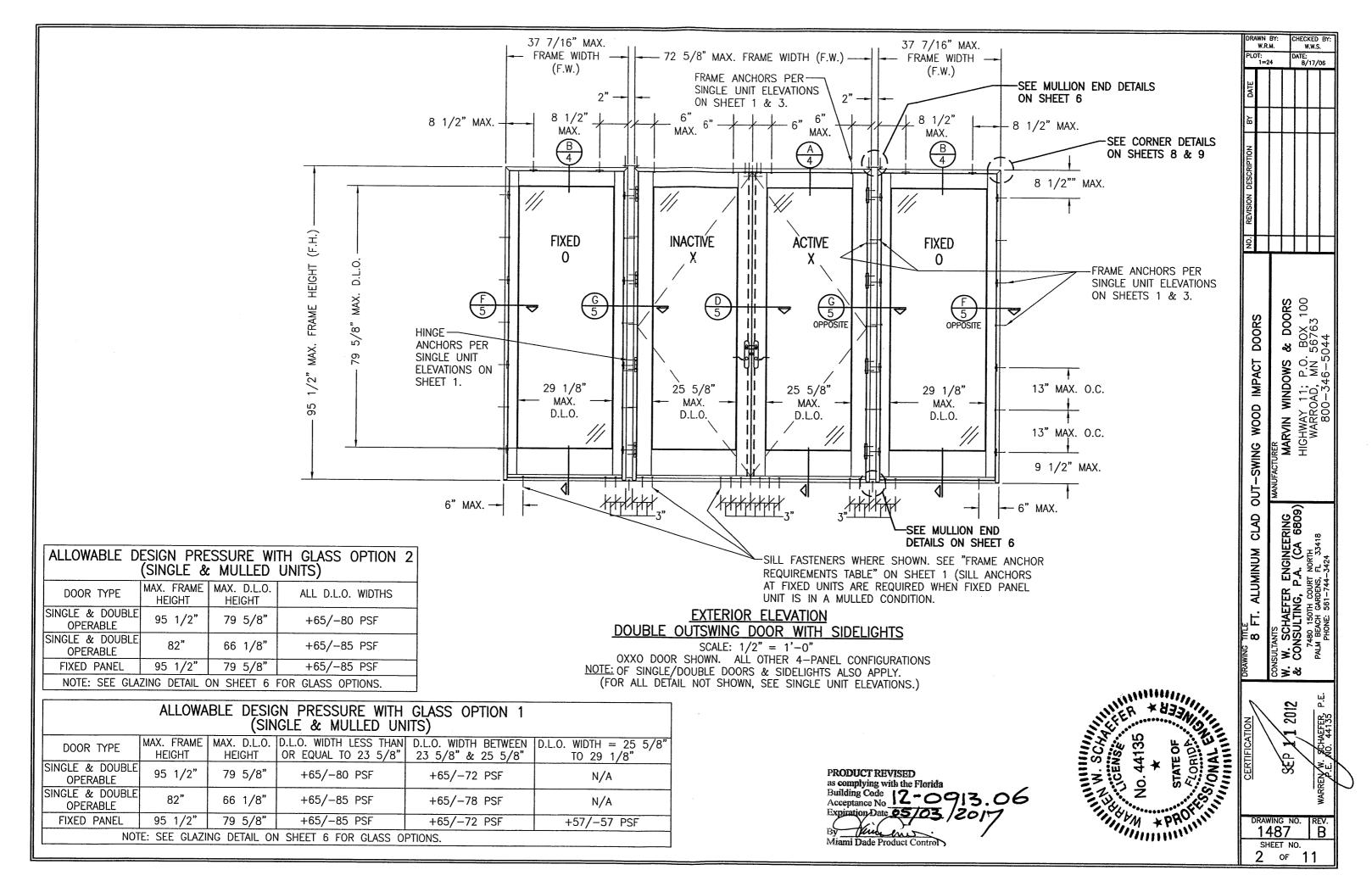
G. OTHERS

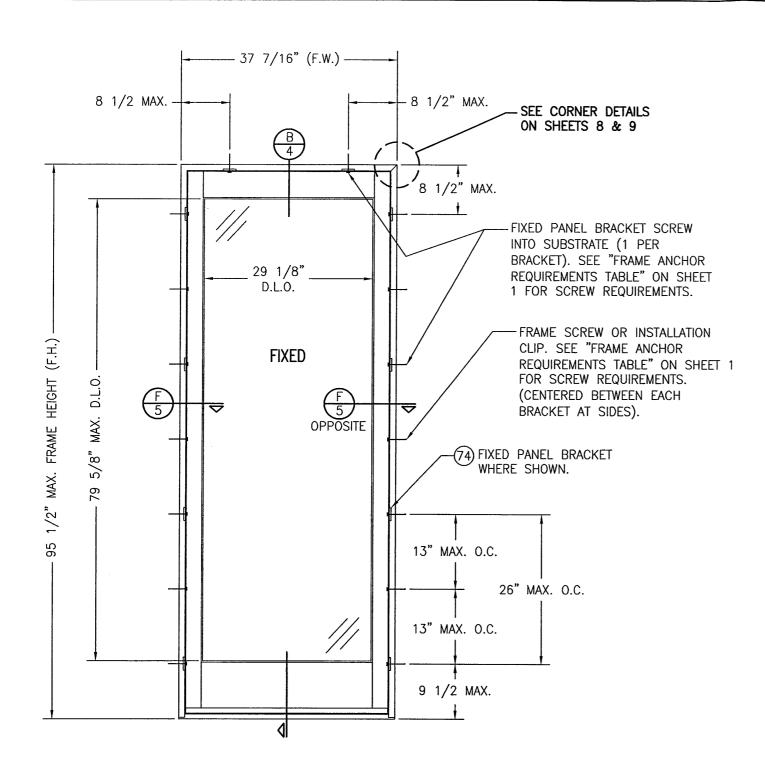
1. Notice of Acceptance No. 11–1026.03, issued to Marvin Windows and Doors for their Series "French Storm Plus I–Z4 8'-0" Aluminum Clad Wood Outswing Glazed Doors – L.M.I.", approved on 12/22/11 and expiring on 05/03/17.

Jaime D. Gascon, P. E. Product Control Section Supervisor NOA No. 12–0913.06

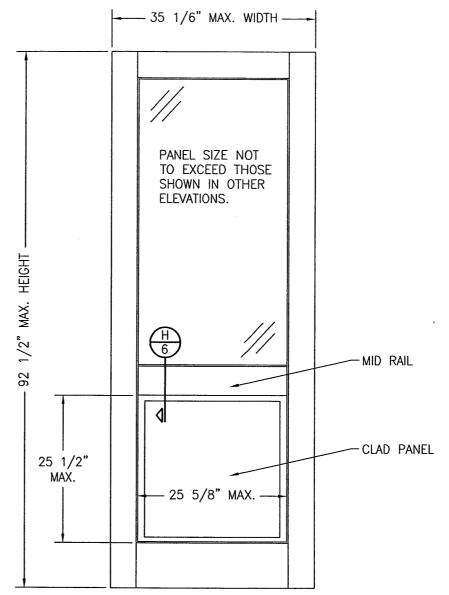
Expiration Date: May 03, 2017 Approval Date: December 20, 2012







EXTERIOR ELEVATION
SINGLE FIXED PANEL
SCALE: 3/4"=1'-0"



EXTERIOR ELEVATION RAISED PANEL

SCALE: 3/4"=1'-0"

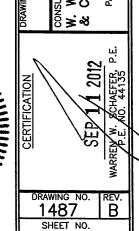
NOTE: PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No
Expiration Date 05/03/2017

By

Live Live 12-0913.06





3 of 11

DRAWN BY: W.R.M.

DOORS

OUT-SWING WOOD IMPACT

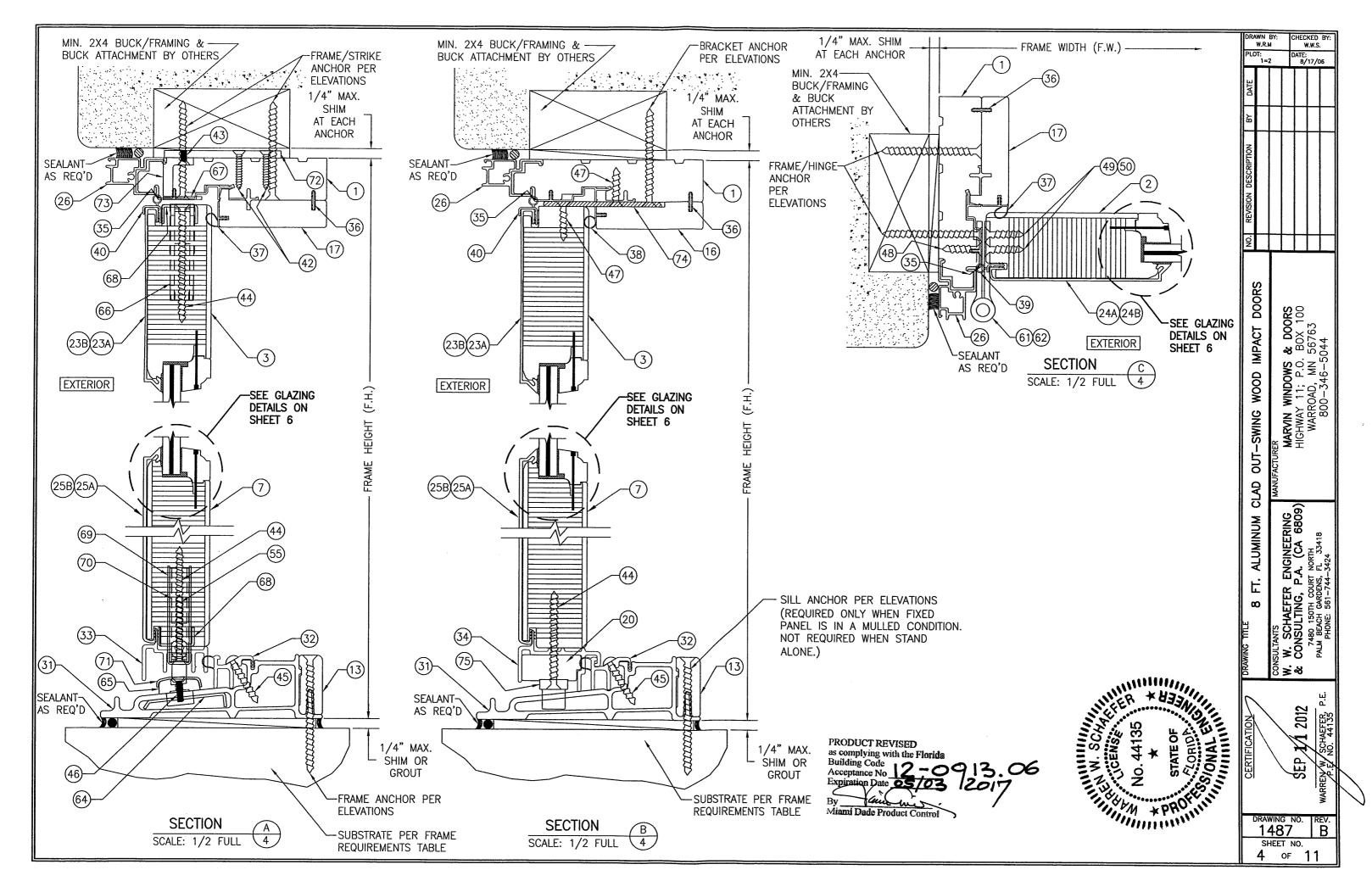
CLAD

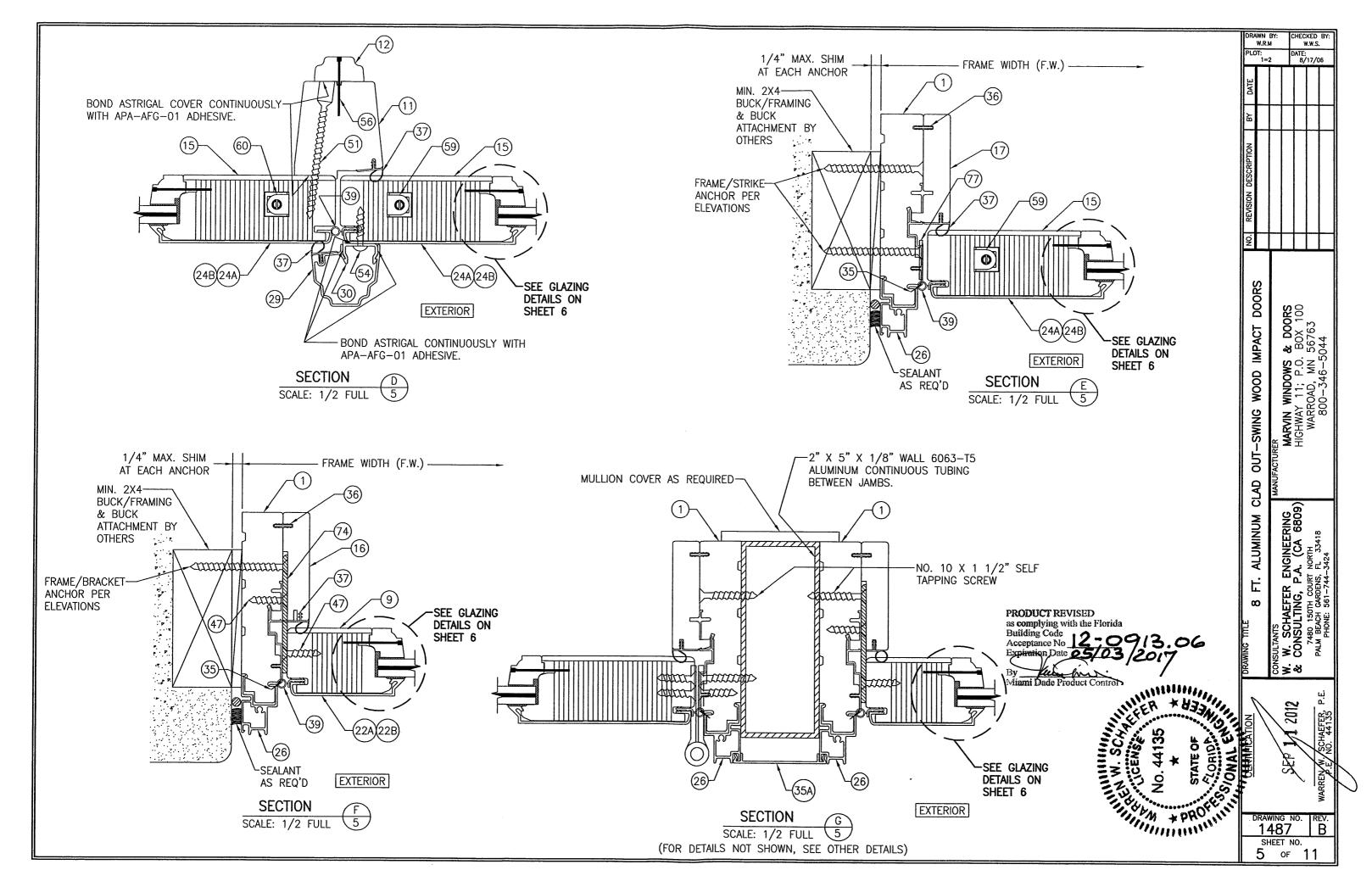
ALUMINUM

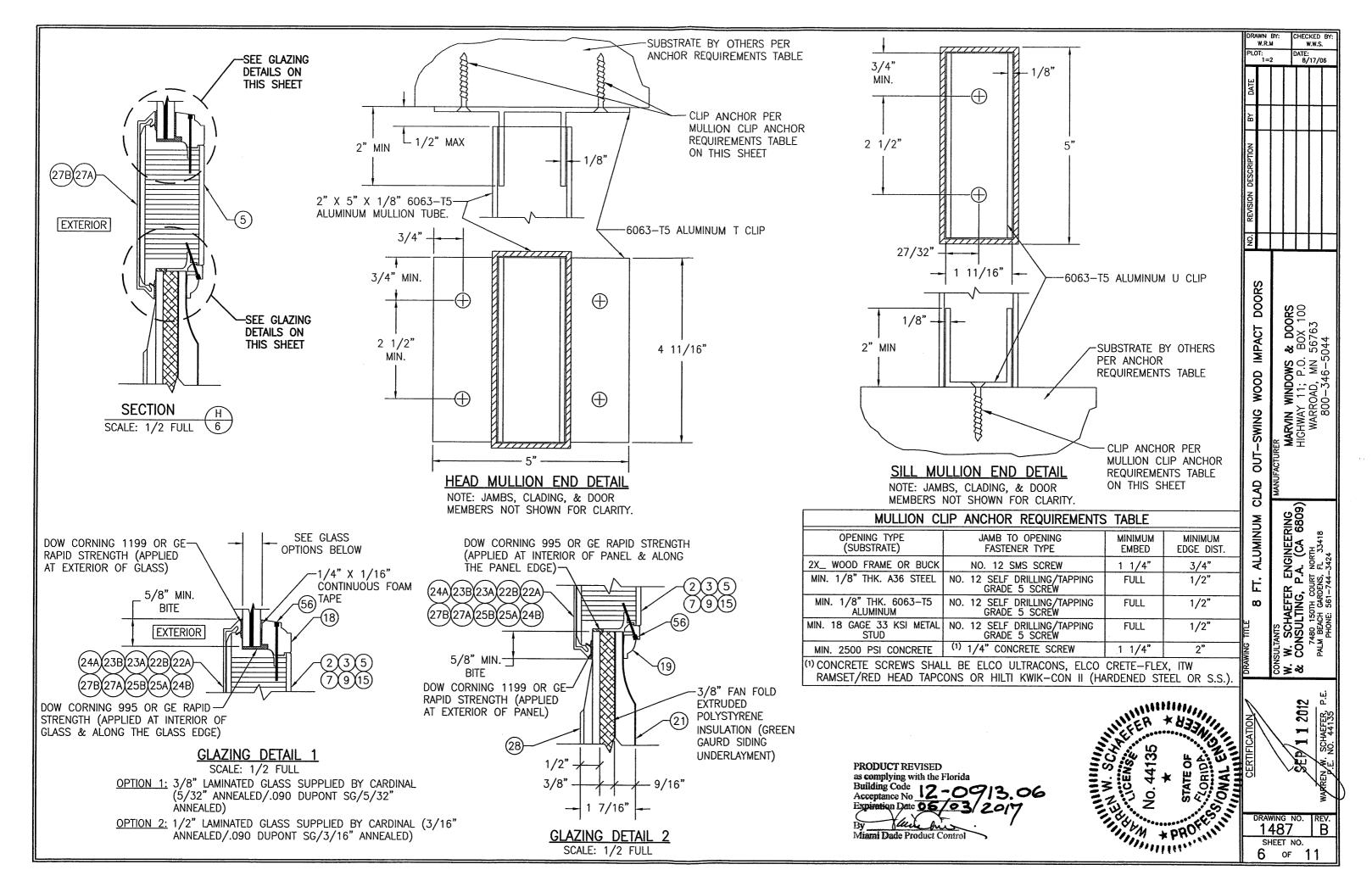
∞ F. P.A. (CA 6809)

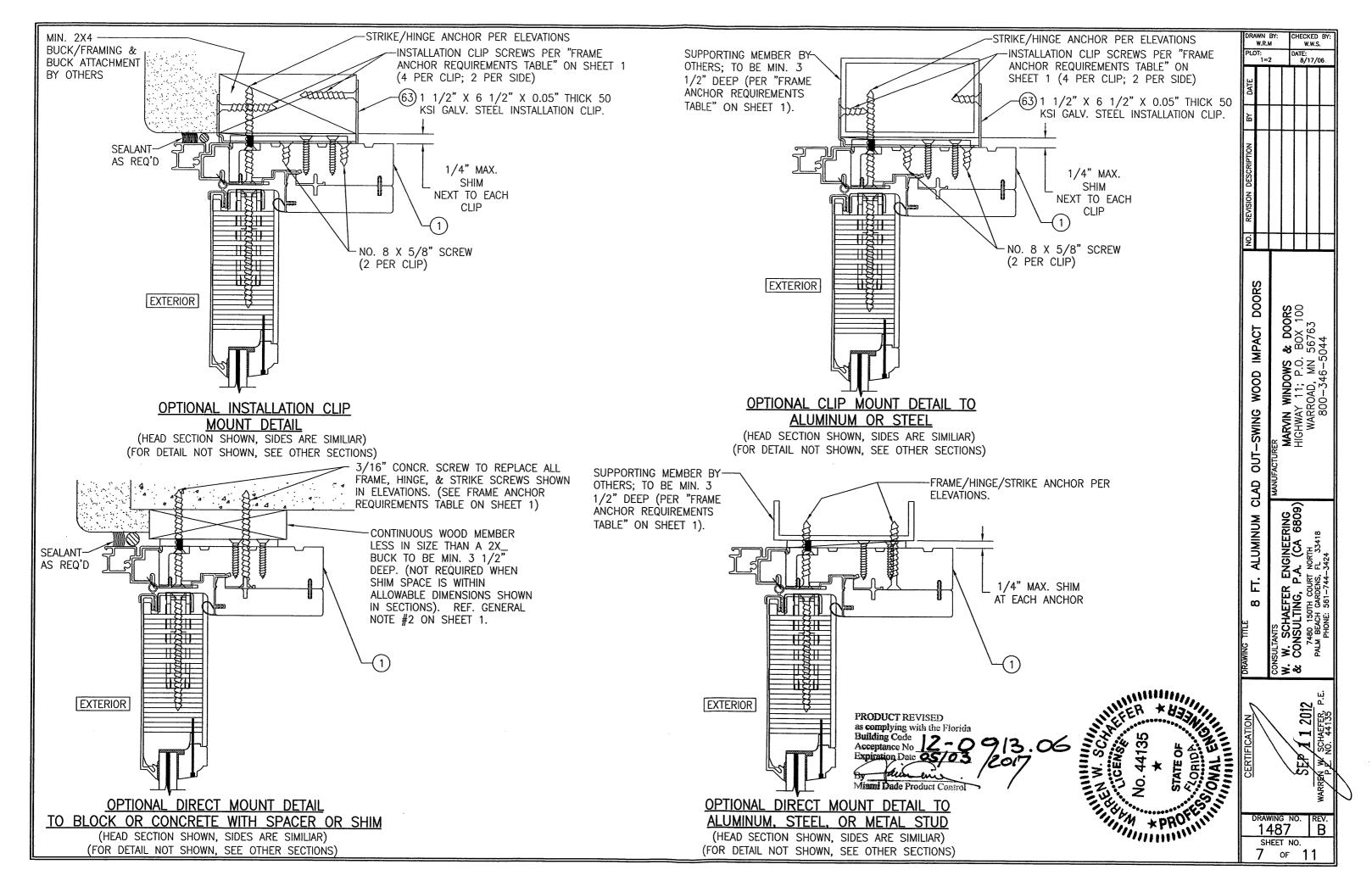
MARVIN WINDOWS & DOORS HIGHWAY 11; P.O. BOX 100 WARROAD, MN 56763 800-346-5044

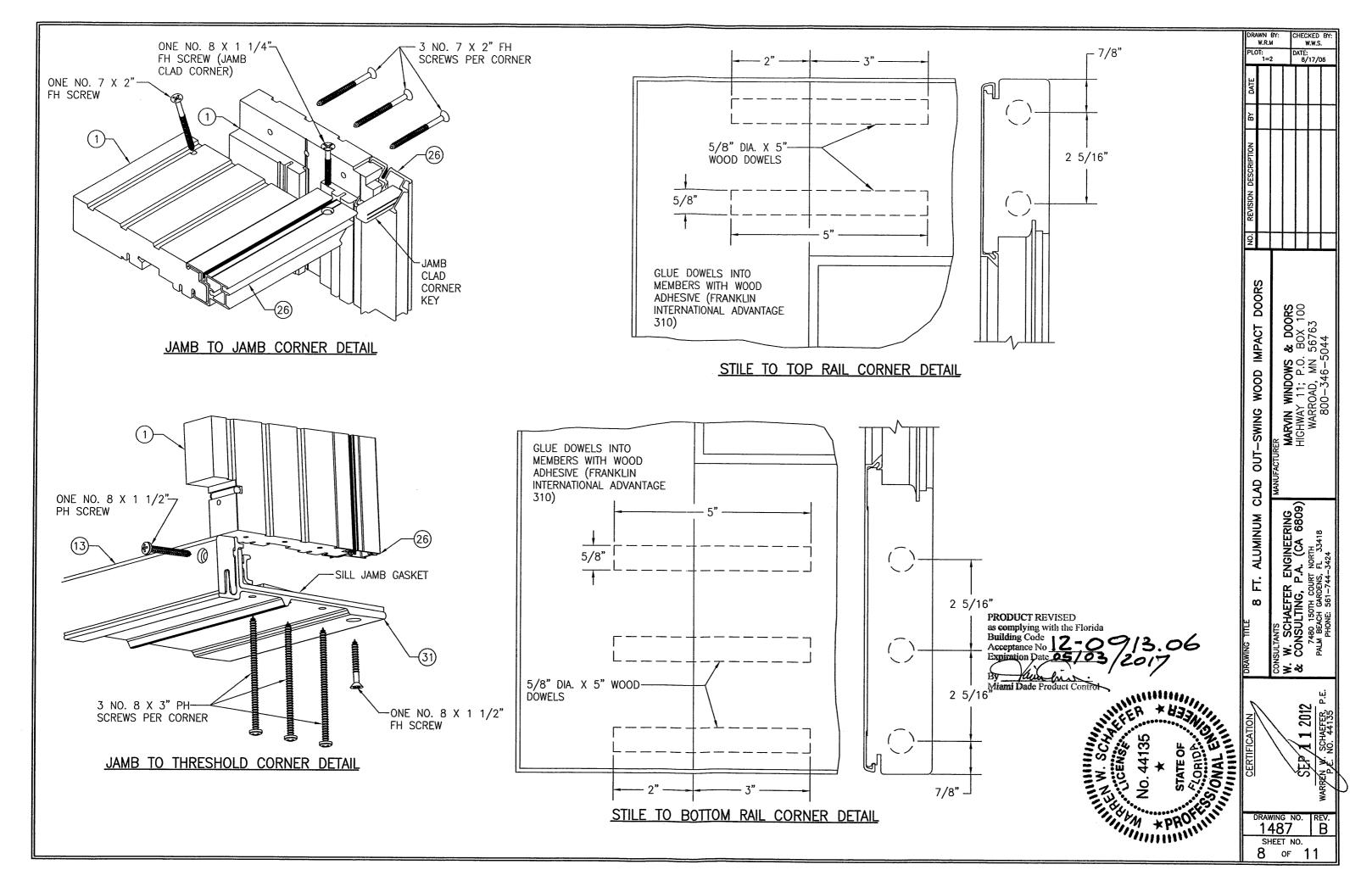
CHECKED BY W.W.S. DATE: 8/17/06

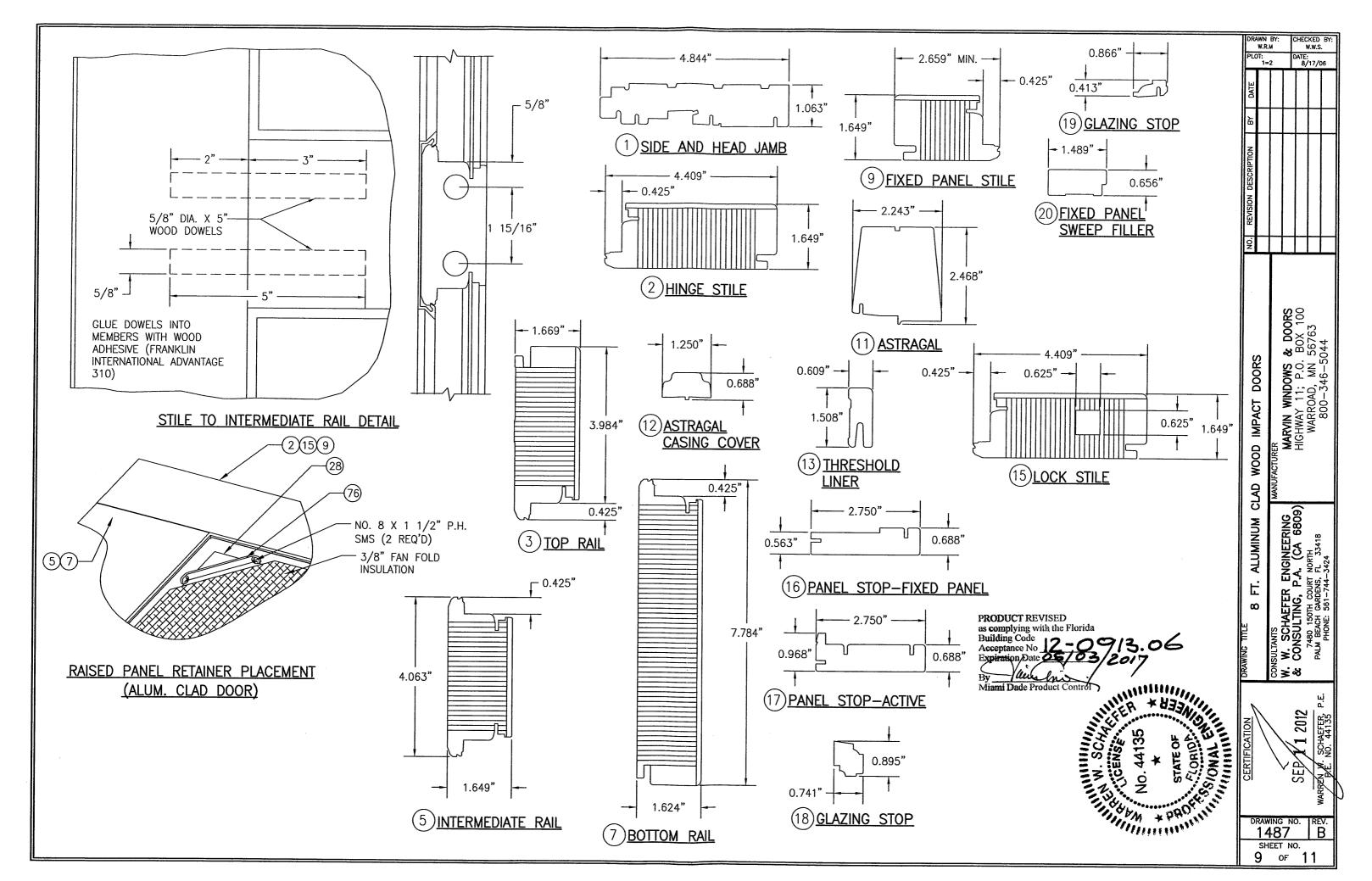


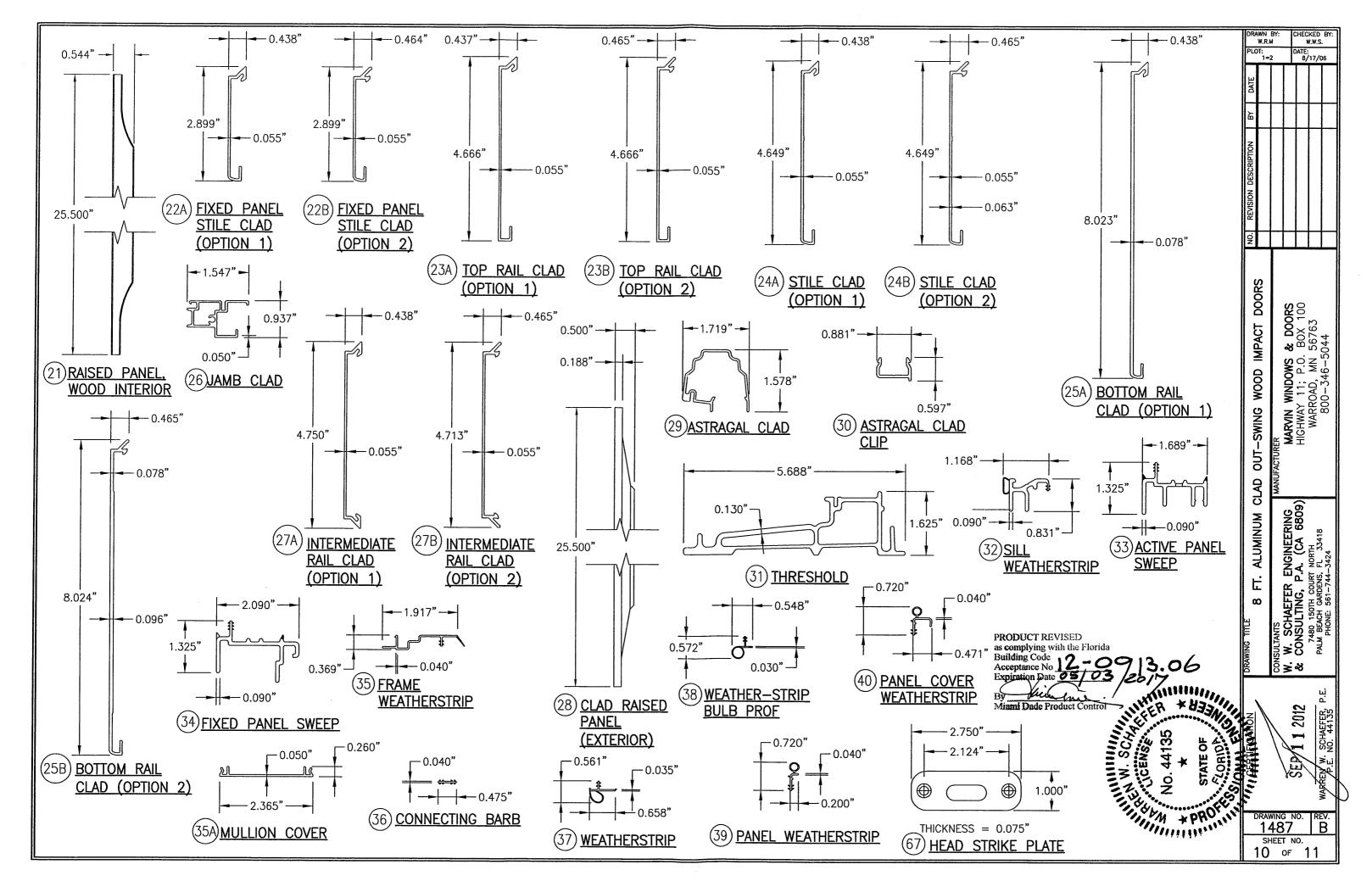












PARTS LIST				PARTS LIST					BY:
NO. REF. NO.	DESCRIPTION	NOTES	NO.	REF. NO	0.	DESCRIPTION	NOTES	PLOT:	
		t EXTRUSIONS			L		FASTENERS		ĪT
	E & HEAD JAMB	*WOOD	41	_	NO. 1	0 X 3" PH A SMS	2 PER HEAD STRIKE PLATE	ATE	
	IGE STILE (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	42	-		X 1" AB	2 PER HEADER REINFORCEMENT PLATE		
	P RAIL - (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	43	-	NO. 8	X 3/8" MACHINE SCREW	2 PER HEADER REINFORCEMENT BRACKET		
	ERMEDIATE RAIL (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	44	-		X 3" SMS	1 PER SHOOT BOLT GUIDE INTO PANELS	╢┸	++
	TTOM RAIL (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	45	-	NO. 8	X 1 1/4" P.H. S/STL SMS	2 1/4" FROM ENDS & MAX. 11" O.C.	z	
	ED PANEL STILE (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	46			X 5/8" MACHINE SCREW	2 PER THRESHOLD STRIKE	Ę	
	LL CASING BASE	*WOOD	47	-	NO. 8	X 1" AB	2 INTO STILE/RAIL; 1 INTO JAMB	SCR	
11 00042535 ASR		*WOOD	48	_	NO. 10	0 X 1" SMS	2 PER HINGE INTO JAMB	- ă	
	RIGAL CASING COVER	*WOOD	49	_	NO. 9	X 1 1/2" SMS	4 PER ADJ HINGE INTO STILE	IS IS	
13 00011114 THR		*WOOD	50		NO. 10	0 X 1" SMS	4 PER BUTT HINGE INTO STILE	- P	
	CK STILE (ALUM. CLAD DOOR)	LVL WITH WOOD VENEER	51		NO. 8	X 3" SMS	3" FROM ENDS & MAX. 8" O.C. (ASTRAGAL)	1.	╀
	NEL STOP — FIXED PANEL	*WOOD	52	-	NO. 8	X 1 1/4" SMS	3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	ž	$oldsymbol{\sqcup}$
	EL STOP – ACTIVE	*WOOD	53		NO. 7	X 2" SMS	3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	1	
I	ZING STOP — GLASS	*WOOD	54		NO. 8	X 1" TH SMS	3" FROM ENDS & MAX. 12" O.C. (ASTRAGAL)	۱.,	
	ZING STOP — RAISED PANEL	*WOOD	55	_	NO. 8	X 1 1/2" P.H. SMS	2 1/2" FROM ENDS & MAX. 9" O.C. WITH ADDITIONAL ONE AT LOCK THROW	DOORS	1
	ED PANEL SWEEP FILLER	*WOOD	56		1 1/2	" BRAD NAIL	2" FROM ENDS & 10-12" O.C.	∥ĕ	Ų
	SED PANEL WOOD INTERIOR	MDF WITH WOOD VENEER					HARDWARE	ii .	3
	ED PANEL STIILE CLAD (OPTION 1)	6063-T5 ALUMINUM	57	00015469	9 ACTIVE	DOOR HANDLE	AS REQUIRED TO OPERATE LOCK SYSTEM	PACT	2
	ED PANEL STIILE CLAD (OPTION 2)	6063-T5 ALUMINUM				The state of the s	AS REQUIRED TO OPERATE LOCK SYSTEM	₩ €	څ
	RAIL CLAD (OPTION 1)	6063-T5 ALUMINUM	59	0001377	1 ACTIVE	DOOR 2-POINT LOCK/DEADBOLT	ASHLAND	=	¥
	RAIL CLAD (OPTION 2)	6063-T5 ALUMINUM	60	00013966	6 INACTIV	/E DOOR 2-POINT LOCK HARDWARE	ASHLAND		2
	E CLAD (OPTION 1)	6063-T5 ALUMINUM				BUTT HINGE	LAWRENCE	₽	3
	E CLAD (OPTION 2)	6063-T5 ALUMINUM	62	00003749	9 4 X 4	ADJUSTABLE HINGE	ASHLAND	ပ	
	TOM RAIL CLAD (OPTION 1)	6063-T5 ALUMINUM	63	00036080	0 GALVAN	NIZED STEEL 0.050 C - CLIP	1 9/16" WIDE X 6 1/2" LONG X .050" THK.	SWIN	1 \$
	TOM RAIL CLAD (OPTION 2)	6063-T5 ALUMINUM	7		MIN. F	y = 50 KSI	MAY REPLACE FRAME FASTENERS PER ELEVATIONS.	Ş	£ ₹
26 00013503 JAM		6063-T5 ALUMINUM	64	00027022	2 SS BA	CKER PLATE	1 AT EACH THRESHOLD STRIKE BELOW SILL	╢╘	URE
1 <u> </u>	RMEDIATE RAIL CLAD (OPTION 1)	6063-T5 ALUMINUM	65	00014912	2 GLASS	REINFORCED ACETAL SILL STRIKE	1 AT EA. LOCK BAR; 1.07 X 2.82 X 0.3 THK	50	FAC
	ERMEDIATE RAIL CLAD (OPTION 2)	6063-T5 ALUMINUM	66	00014905	5 GLASS	FILLED NYLON SHOOT BOLT GUIDE	1 AT EA. OPERATER PANEL (TOP)	ا و ا	ANC
	D RAISED PANEL (EXTERIOR)	MIC 6 ALUMINUM	67	00004621	1 S.S. H	EAD STRIKE PLATE	1 FOR EA. LOCK BAR (HEADER)	CLAD	Ξ_
29 00002625 ASTI		6063-T5 ALUMINUM	68	00026910	0 S.S. S	TILE END PLATE	1 AT EA. OPERATER PANEL (TOP AND BOTTOM)	∑	Ç.
30 00002622 ASTI		6063T5 ALUMINUM	69	00015312	2 S.S. SI	HOOT BOLT GUIDE REINFORCEMENT	1 AT EA. OPERATER PANEL (BOTTOM)	5	
	ESHOLD (PAINTED ULTREX)	FIBERGLASS WITH MIN. Fy = 39 KSI & BEARING STRESS = 26.1 KSI	70	00015314	4 GLASS	FILLED NYLON SHOOT BOLT GUIDE	1 AT EA. OPERATER PANEL (BOTTOM)	ξ	FFR
32 00013508 SILL		VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)				LL STRIKE	1 AT EA. LOCK BAR; .250 X 2.661 X .048 THK 302 S.S.	ALUMINU	Z
33 00013510 ACTI	The second secon	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	72	00037647	7 S.S. HI	EADER REINFORCEMENT PLATE	1 FOR EA. LOCK BAR (HEADER) 1.500 X 3.000 X .188 THK 304 S.S.	<	Ž
34 00013509 FIXE		VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	73	00036001	1 S.S. HI	EADER REINFORCEMENT BRACKET	1 FOR EA. LOCK BAR (HEADER) .781 x 1 x .75 THK 304 S.S.		ω.
35 00013511 FRAI		VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)					LOCATED PER ELEVATIONS; 1 X 3 X 1/8 THK 5052 ALUMINUM	ω	
35A 00002030 MUL		6063-T5 ALUMINUM					2 PER FIXED PANEL AT THRESHOLD		\$
SEALS AND SEALANTS			76	00042421	1 RAISED		4 PER RAISED PANEL	惟	NTS.
36 00005685 CON	The state of the s	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	77	05700044	4 S.S. S1	TRIKE PLATE	1 FOR EA. LOCK BAR (SIDE JAMB)	ည	CONSULTANTS W W SCHA
37 00005648 WEA		VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)	T	2. 20011	. 1 2 . 3 .	7 507 17 50	TON DIE COOK DIEK (OIDE WIND)	ΣΑΜΙ	NSI >
	THERSTRIP BULB PROFILE	VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)]					ă	୪≥
39 00013513 PAN		VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)]						
# #0 100013512 DAN	EL COVED MEATHEDOTDID	VINVI DED MADVIN COECIEICATION (CEE DEFEDENCE NO.)	7				· · · · · · · · · · · · · · · · · · ·	11 \	

* ALL WOOD USED WITH TESTED UNITS IS MIN. GRADE 2 WESTERN PINE. ALTERNATE WOOD SPECIES TO PINE SHALL BE MIN. GRADE 2 WITH "E" = 1200000 PSI MIN. & "G" = 0.43 MIN NOTE: ALL WOOD IS RECEIVED BY MARVIN WINDOWS & DOORS AS GRADE 2, BUT IS MACHINED BY MARVIN TO A SELECT GRADE USE.

VINYL PER MARVIN SPECIFICATION (SEE REFERENCE NO.)

40 00013512 PANEL COVER WEATHERSTRIP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No
Expiration Date 05/03 2017

By Miami Dade Product Control

NO. 44135 WATER OF THE OF THE

SEP 1 2012
WARREN W. SCHAEFER, P.E.

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SULTANTS
W. SCHAEFER ENGINEERING
CONSULTING, P.A. (CA 6809)

CHECKED BY: W.W.S. DATE: 8/17/06

MARVIN WINDOWS & DOORS HIGHWAY 11; P.O. BOX 100 WARROAD, MN 56763 800-346-5044

DRAWING NO. | REV. | 1487 | B

SHEET NO. 11 OF 11